

OIEP

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/870,501

DATE: 11/19/2001

TIME: 10:07:42

Input Set : A:\026350-053.ST25.txt

Output Set: N:\CRF3\11192001\I870501.raw

ENTERED

4 <110> APPLICANT: Takabe, Tetsuko
6 <120> TITLE OF INVENTION: Peroxisomal Ascorbate Peroxidase Gene Induced by High
7 Temperature Stress and a Transgenic Plant Exhibiting
8 Thermotolerance
10 <130> FILE REFERENCE: 026350-053
12 <140> CURRENT APPLICATION NUMBER: 09/870,501
13 <141> CURRENT FILING DATE: 2001-06-01
15 <150> PRIOR APPLICATION NUMBER: JP 2000-172850
16 <151> PRIOR FILING DATE: 2000-06-09
18 <160> NUMBER OF SEQ ID NOS: 2
20 <170> SOFTWARE: PatentIn version 3.1
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 291
24 <212> TYPE: PRP
25 <213> ORGANISM: Hordeum vulgare L. Haruna-nijyo
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33 Ala Arg Arg Ala Phe Arg Ala Leu Ile Ala Ser Lys Gly Cys Ala Pro
34 20 25 30
37 Ile Met Leu Arg Leu Ala Trp His Asp Ala Gly Thr Tyr Asp Val Asn
38 35 40 45
41 Thr Arg Thr Gly Gly Ala Asn Gly Ser Ile Arg Tyr Glu Glu Glu Tyr
42 50 55 60
45 Thr His Gly Ser Asn Ala Gly Leu Lys Ile Ala Ile Asp Leu Leu Glu
46 65 70 75 80
49 Pro Ile Lys Ala Lys His Pro Lys Ile Thr Tyr Ala Asp Leu His Gln
50 85 90 95
53 Leu Ala Gly Val Val Ala Val Glu Val Thr Gly Gly Pro Thr Val Glu
54 100 105 110
57 Phe Ile Pro Gly Arg Arg Asp Ser Ser Val Cys Pro Arg Glu Gly Arg
58 115 120 125
61 Leu Pro Asp Ala Lys Lys Gly Ala Pro His Leu Arg Asp Ile Phe Tyr
62 130 135 140
65 Arg Met Gly Leu Thr Asp Lys Asp Ile Val Ala Leu Ser Gly Gly His
66 145 150 155 160
69 Ser Leu Gly Lys Ala His Pro Glu Arg Ser Gly Phe Asp Gly Ala Trp
70 165 170 175
73 Thr Arg Asp Pro Leu Lys Phe Asp Asn Ser Tyr Phe Leu Glu Leu Leu
74 180 185 190
77 Lys Gly Glu Ser Glu Gly Leu Leu Lys Leu Pro Thr Asp Lys Ala Leu
78 195 200 205
81 Leu Asp Asp Pro Glu Phe Arg Arg Tyr Val Glu Leu Tyr Ala Lys Asp
82 210 215 220
85 Glu Asp Val Phe Phe Lys Asp Tyr Ala Glu Ser His Lys Lys Leu Ser
86 225 230 235 240
89 Glu Leu Gly Phe Thr Pro Arg Ser Ser Gly Pro Ala Ser Thr Lys Ser

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101 Arg Ser Lys
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107 <211> LENGTH: 1089
108 <212> TYPE: DNA
109 <213> ORGANISM: Hordeum vulgare L. Haruna-nijyo
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116 ctccgcctcg catggcatga tgctggcacc tatgatgtga acacaagaac tgggtggtgca      180
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120 gctattgata tctttgagcc tattaaagcg aagcatccaa agattacata tgcagacctt      300
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VERIFICATION SUMMARY

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